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FIN FOR HEAT EXCHANGER WITH EXCELLENT ANTIBACTERIAL, MILDEW PROTECTIVE AND HYDROPHILIC PROPERTIES

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Abstract

PROBLEM TO BE SOLVED: To assure high hydrophilic and water wettable properties by laminating an antibacterial composition containing an antibacterial resin together having antibacterial, mildew protective and hydrophilic properties as a main component on fins for a heat exchanger to thereby prevent occurrence of bacterial, mildew and uncomfortable odor, and further adding fine particles to rough its surface.

SOLUTION: An antibacterial composition containing an antibacterial resin having antibacterial, mildew protective and hydrophilic properties as a main component is laminated on the fins for a heat exchanger, and further fine particles are added. Here, the resin contains a polymer antibacterial agent. The agent is a polymer compound in which an organic antibacterial agent component is bonded to a main chain or a side chain. The organic agent is a general term of natural extracts having an antibacterial performance. Of them, a polymer in which an antibacterial active group such as an ammonium salt group is bonded is preferable. A hydrophilic substance is excellent in hydrophilicity with water. Generally, it is a compound containing a hydrophilic group such as an amino group or the like. The fine particles may be either of organic particles and inorganic particles.

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